


LEGEND:

- P-1A → MINING PHASE AND DIRECTION OF MINING.
- SITE BOUNDARY
- - - - DEAN CREEK SETBACK
- DIRECTION OF OVERBURDEN STRIPPING AND STOCK PILING
- (S.P.) TOPSOIL AND REJECT STOCK PILE AREAS.
- S.P. APPROXIMATE CONVEYOR ALIGNMENT
- Existing Driveway Symbol EXISTING DRIVEWAYS TO BE USED FOR ACCESS
- Red Line SOUND BARRIER
- Barrier Symbol VISUAL BUFFER (5 FOOT TALL EARTHEN BERM OR VEGETATED ZONE)

NOTES:

1. SOUND BARRIERS COULD BE EITHER EARTHEN BERMS OR ENGINEERED WALLS. HEIGHT OF BARRIERS WAS DETERMINED FROM NOISE ATTENUATION MODELING AS DESCRIBED IN THE NOISE STUDY. SEE TABLE IN NOISE STUDY REPORT FOR BARRIER HEIGHT.
2. WIDTH OF EARTHEN BARRIERS IS PROPORTIONAL TO HEIGHT ASSUMING A 2:1 SLOPE AND A 5 FOOT WIDE LEVEL CAP.
3. BERMS FOR NOISE AND VISUAL BUFFERS ARE TEMPORARY. IF SOUND BARRIERS ARE EARTHEN, MATERIAL WILL BE USED TO CONSTRUCT RECLAMATION ELEMENTS AFTER MINING IS COMPLETE IN THE ADJACENT PHASE.
4. SECURITY FENCES WILL BE INSTALLED ALONG ROADWAYS AT THE DISCRETION OF STOREDAHL.
5. MINIMUM MINE SETBACK FROM PROPERTY BOUNDARY IS 15 FEET. SETBACK FROM COUNTY ROADS IS FUNCTION OF BERM WIDTH. SETBACK FROM DEAN CREEK IS 75 FEET FROM OHWM.
6. CONVEYOR ALIGNMENT IS APPROXIMATE. FINAL ALIGNMENT OF CONVEYOR SEGMENTS WILL BE DETERMINED DURING MINING. FINAL MINING, GRADING, AND RECLAMATION OF PONDS ALONG CONVEYOR ALIGNMENT WILL OCCUR AFTER CONVEYOR IS DISMANTLED.
7. BERM HEIGHTS BASED ON USE OF KOMATSSU PC650 EXCAVATOR. USE OF QUIETER EXCAVATOR COULD REDUCE BERM HEIGHT.
8. SCREENED CONTOURS REPRESENT PHASE-1D RECLAIMED MINE CUT.
9. BASE MAP FROM ALTERNATIVE A-2.

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FIGURE 3-28
NOISE IMPACT ASSESSMENT MINING
SEQUENCE PLAN AND
NOISE REDUCTION BARRIERS
J.L. STOREDAHL & SONS, INC.
DAYBREAK MINE SITE